WARM UP

**The heights of 18-24 year old women are distributed with the following: mean = 64.5” std. dev. = 2.5”**

1. We know a woman who is 69” tall. How does she compare to the rest of the women in her age group? Calculate her z score, and interpret what it means.
2. We also know a man who is 71” tall. Who is taller relatively? Men are known to be distributed with a mean of 67” and a std. deviation of 2.3 inches.
3. 68% of men’s heights are between what two numbers?
4. 95% of women’s heights are between what two numbers?
5. John’s height has a Z score of 1.3. Maria’s height has a Z score of 1.25. Who is taller RELATIVELY?
6. Go back to letter (e). Find John’s ACTUAL height, and Maria’s ACTUAL height. Who is taller if they stand back to back?

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